



MAK90 7.62 × 39mm

Semi — Automatic Rifle

INSTRUCTION MANUAL

CHINA NORTH INDUSTRIES  
CORPORATION

## FEATURES

The MAK90 is a gas-operated, rotating bolt locking type, semi-automatic rifle. It is a well constructed weapon, robust, reliable and capable of producing long range accuracy.

This rifle is designed to fire the 7.62mm type56 cartridge. It is an ideal rifle for shooters, hunters and collectors.

## TECHNICAL DATA

Calibre, mm	7.62
Overall length, mm,	892
Weight, with one empty magazine, kg,	3.8
Magazine capacity, rounds:	5
Muzzle velocity, m/sec.:	710
Rate of fire, rounds/min.:	40
Effective range, m:	400
Maximum range, m:	2000
Rear sight range, m:	800
Service life, rounds:	6000
Accuracy, mm	
R50	70max.
R100	160max

## OPERATION

1. Firing; pull the safety lever to the lower position "F" to make the rifle in the firing position.

2. Safety: Place the safety lever in the upper position "S" to put the rifle in the "On-Safe" position.

## DISASSEMBLY AND REASSEMBLY

### 1. Disassembly

a. Remove the magazine by pushing forward on the magazine latch while pulling the magazine down and out of the receiver.

b. Remove the bayonet by depressing the lock release button and slide the bayonet forward and off the rifle.

c. Remove the cleaning rod by pulling the cleaning rod head out and upward from its retainer.

d. push forward on the action return spring retaining block and lift the action cover from the receiver.

e. Remove the action return spring retaining block by pushing forward to clear the receiver slot and lifting up.

f. To remove the bolt carrier and the bolt,

place the safety in the "On-Safe" position and draw the bolt carrier assembly to the rear and out of the receiver, pivot the bolt clockwise to the rear and turn the bolt. Next remove the bolt from the bolt carrier by extracting it towards the gas piston.

g. To remove the upper handguard assembly, lift upon the lock lever on the right side of the rear sight until it will allow the upper handguard assembly to be removed.

## 2. Reassembly

Reassembly is just the reverse of steps for disassembly.

After reassembly, pull the cocking handle to the rear and release, then pull the trigger to check reassembly is properly done. Place the safety in the "On-Safe" position.

## CARE AND CLEANING

1. Keep the rifle in a safe place and away from fire. Frequent oiling is necessary especially under humid condition to prevent rust and damage. Always keep the rifle in good condition.

2. Wipe rifle clean of all dirt. Wash rifle

with fresh water and wipe it dirt whenever it has been contaminated by acid, alkaline, salty water or sea water.

3. Clean and inspect rifle at regular intervals and after each firing carefully clean the gas regulator and the bore after stripping. Apply an uniform coat of gun oil on all moving parts and the bore following the cleaning.

4. Keep the chamber and the rifled bore clean. Check the bore before firing to make sure it is clear of any obstruction

## PARTS LIST

- 1 Rear Sight mounting
- 2 Barrel
- 3 Bottom handguard front hoop
- 4 Gas tube
- 5 Bottom handguard
- 6 Upper handguard assembly
- 7 Front sight bed
- 8 Front sight base pin
- 9 Front sight move bed
- 10 Front sight
- 11 Cleaning rod
- 12 Sight spring
- 13 Sight leaf
- 14 Slide
- 15 Slide catch spring
- 16 Slide catch
- 17 Lock lever
- 18 Bottom handguard washer
- 19 piston
- 20 Piston pin
- 21 Bolt carrier
- 22 Firing pin
- 23 Rubber buffer cushion

- 24 Bolt
- 25 Firing pin retaining pin
- 26 Extractor pin
- 27 Extractor spring
- 28 Extractor
- 29 Action pin fixed spring
- 30 Trigger
- 31 Sear spring
- 32 Sear
- 33 Hammer spring
- 34 Hammer
- 35 Recoil spring cam
- 36 Recoil spring
- 37 Guide rod assembly
- 38 Recoil spring rod
- 39 Hammer pin
- 40 Trigger pin
- 41 Safety assembly
- 42 Magazine pin
- 43 Magazine latch spring
- 44 Magazine latch
- 45 Grip screw
- 46 Magazine assembly
- 47 Receiver cover
- 48 Buttock
- 49 Rear screw
- 50 Receiver assembly

- 51 Butt swivel assembly
- 52 Butt swivel screw
- 53 Rubber buffer
- 54 Rubber buffer screw



